SECTION VI
HYDROMODIFICATION CATEGORY
FIVE-YEAR IMPLEMENTATION PLAN
July 2003 through June 2008

A. HYDRODIFICATION MMs AND ISSUES OF CONCERN

The SWRCB, CCC, and other State agencies have identified seven MMs to address hydromodification sources of nonpoint pollution affecting State waters. These MMs are listed in Table VIA, and further described in Appendix II of this document.

Table VIA
Hydromodification Category MMs

MM Code	Hydromodification MM Title
5.1A	Channelization/Channel Modification: Physical and Chemical Characteristics of Surface Waters
5.1B	Channelization/Channel Modification: Instream and Riparian Habitat Restoration
5.2A	Dams: Erosion and Sediment Control
5.2B	Dams: Chemical and Pollution Control
5.2C	Dams: Protection of Surface Water Quality & Stream and Riparian Habitat
5.3	Streambank and Shoreline Erosion
5.4	Education-Outreach

Hydromodification includes modification of stream and river channels, dams and water impoundments, and streambank and shoreline erosion. Channel modification activities are undertaken in rivers or streams to straighten, enlarge, deepen or relocate the channel. These activities can affect water temperature, change the natural supply of fresh water to a water body, and alter rates and paths of sediment erosion, transport, and deposition, resulting in excessive erosion or deposition. Hardening the banks of waterways with shoreline protection or armor also accelerates the movement of surface water and pollutants from the upper reaches of watersheds into coastal waters. Channelization can also reduce the suitability of instream and streamside habitat for fish and wildlife by depriving wetlands and estuarine shorelines of enriching sediments, affecting the ability of natural systems to filter pollutants, and interrupting the life stages of aquatic organisms (USEPA, 1993).

Dams can adversely impact hydrology and the quality of surface waters and riparian habitat in the waterways where the dams are located. A variety of impacts can result from the siting, construction, and operation of these facilities. For example, improper siting of dams can inundate both upstream and downstream areas of a waterway. Dams reduce downstream flows, thus depriving wetlands and riparian areas of water. During dam construction, removal of vegetation and disturbance of underlying sediments can increase turbidity and cause excessive sedimentation in the waterway.

The erosion of shorelines and streambanks is a natural process that can have either beneficial or adverse impacts on riparian habitat. Excessively high sediment loads resulting from erosion can smother submerged aquatic vegetation, cover shellfish beds and tidal flats, fill in riffle pools, and contribute to increased levels of turbidity and nutrients.

Some NPS activities might include utilization of vegetated treatment systems to reduce pollutant loadings that have been caused by hydromodification. Although these treatment systems cannot be

considered replacements to natural wetlands, this type of activity is listed in the Wetlands and Riparian Category (Section VII) under Wetlands MM 6C, Vegetated Treatment Systems.

B. RELATION TO OTHER STATE AND FEDERAL PROGRAMS

1. 401 Water Quality Standards Certification

Section 401(a)(1) of the Clean Water Act (CWA) specifies that any applicant for a Federal license or permit to conduct any activity, including but not limited to the construction or operation of facilities that may result in any discharge into navigable waters, shall provide the federal licensing or permitting agency a certification from the State in which the discharge originates or will originate, or, if appropriate, from the interstate water pollution control agency having jurisdiction over the navigable water at the point where the discharge originates or will originate, that any such discharge will comply with the applicable provisions of Sections 301, 302, 303, 306, and 307 of the Clean Water Act. Succinctly, this means that in California, the appropriate Regional Board must certify that the project will comply with water quality standards.

The types of permits or licenses requiring 401 Certification are as follows:

a) Permits issued by the U.S. Army Corps of Engineers (ACOE) under Section 404 of the CWA

b) NPDES permit issued by the Environmental Protection Agency (EPA) under Section 402 of the Clean Water Act.

c) Permits issued under Sections 9 and 10 of the Rivers and Harbors Act (for activities that may affect navigation)

d) Licenses for hydroelectric power plants issued by the Federal Energy Regulatory Commission (FERC) under the Federal Power Act

e) Licenses issued by the Nuclear Regulatory Commission

2. Stormwater Program

See Urban Category on Stormwater

C. OBJECTIVES AND ACTIVITY SUMMARY

The Hydromodification Category Objectives and agency activities addressing these objectives are provided below.

1. Hydromodification Category Objectives

The State of California recently undertook a concerted, collaborative process for the development of Category Objectives for the NPS Implementation Plan 2003-2008. Over a period of approximately one year, the Statewide IACC met frequently to consider the mission of each agency relative to sources of pollution from hydromodification activities, to formulate a means of collaboration, and to set overall objectives for the implementation process. The results of this effort, which will formulate the focus of California relative to Hydromodification pollution

prevention, are the Category Objectives, which are listed below. These Objectives will serve to guide and measure the progress that will be made over the next five years.

a) Maintain and restore the physical and chemical characteristics of streams, riparian habitats, and their associated beneficial uses with consistent statewide stream protection policy.

b) Develop information on MP implementation to ensure consistent requirements, implementation, and effectiveness of mitigation and restoration projects.

c) Prevent and control streambank, shoreline and beach erosion with a consistent statewide policy and watershed approach.

d) Promote interagency collaboration in habitat restoration projects and continue to improve upon and expand partnerships and coordination in tackling the issue of eroding streambanks and shorelines.

e) Enhance outreach and promote information exchange among State agencies, local entities, and interested parties.

f) Continue to assess waterbodies, identify sources of NPS impacts from hydromodification activities as well as increase inspections.

g) Develop and implement watershed-based plans, including TMDLs in order to identify and address impacts from hydromodification activities.

h) Streamline the permitting process for wetland and riparian protection and restoration projects, including swift measures for invasive species eradication.

2. Activity Summary for Hydromodification Category

Activities for implementation during 2003 to 2008 have been proposed for all hydromodification MMs, and are listed in Table VIB. Channelization and channel modification MMs have the most activities taking place, with MM 5.1B, Instream and Riparian Habitat Restoration, garnering the most attention. Similarly, the participating agencies plan to actively engage in streambank and shoreline erosion, and education and outreach activities. In addition, several activities are proposed to address all MMs.

All eight Category Objectives are supported by the proposed activities. The emphasis is clearly on maintaining and restoring the physical and chemical characteristics of streams and their associated beneficial uses with consistent statewide stream protection policy, and enhancing outreach and education to State agencies and local entities and interested parties.

Table VIB
ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES

Hydromodification

Management Measure: 5.1A Channelization/Channel Modification - Physical and Chemical Characteristics of Surface Waters

Process Element	Activity Name	Activity Objective and Description	Agency	Location	Success Criteria	Schedule
Pre-Implementation 27.005-1	Watershed Restoration Project Review	**Objective:** To coordinate watershed restoration project review with partner agencies. **Description:** Assist DFG and DPR with the review of stream channel conditions and watershed restoration projects under various legislative requirements.	DOC	Statewide	Completed review of pertinent projects	7/1/03 to 6/30/08
Pre-Implementation 4.068-1	Stream Floodplain Planning Activities	**Objective:** To participate in regional and state floodplain planning objectives, such as Floodplain Management Coordinating Group. **Description:** Advising floodplain group on Regional Board issues and concerns	RWQCB-2	Statewide	Meeting participation	7/1/03 to 12/31/04
Implement 2.406-1	Identify Management Practices for channel maintenance activities	**Objective:** Pollution impacts reduced through implementation of management practices. **Description:** Identify Management Practices for channel maintenance activities and prepare Guidance.Management Practices Guidance information will be used to avoid NPS impacts from channel maintenance activities.	SWRCB	Statewide	Management Practices Guidance information	3/1/03 to 11/30/03
Implement 4.067-1	Stream Protection and Management Amendments	**Objective:** Develop stream protection and management amendments. **Description:** Prepare Basin Plan amendment incorporating stream protection policy	RWQCB-2	Regionwide RB2	Improved protection for streams	7/1/03 to 7/1/04

Table VIB
ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES

Implement 4.069-1	WDRs for Channel Maintenance Activities	**Objective:** Issue general WDRs for low impact channel maintenance activities. **Description:** Waste Discharge Requirements for stream channel maintenance activities by flood control districts	RWQCB-2	Regionwide RB2	Issuance of permit	7/1/03 to	12/31/04
Implement 4.085-1	TMDL for Mercury, Guadalupe River	**Objective:** Develop TMDL for mercury in Guadalupe River and tributary streams **Description:** Prepare preliminary and final project reports for TMDL. One area to be addressed will be bank stabilization and thus stabilization of mercury laden sediments.	RWQCB-2	Santa Clara County	Preliminary and final reports, Basin Plan amendment	7/1/03 to	6/30/06
Implement 6.003	Phase III:Calleguas Creek Watershed Treatment Project	**Objective:** To continue water quality improvement measures in Calleguas Creek **Description:** This project is phase III of the water quality improvement efforts and consists of implementing BMPs identified and evaluated under phase III, development of a regional stream bank and bed permit streamlining program, information and technology transfer.	RWQCB-4	Ventura County	BMP Implementation	4/1/02 to	3/30/05
Report 6.067	Urbanization and Stream Erosion Prevention Model	**Objective:** Develop numeric standards and guidelines for protecting stream channels and habitat from runoff rate and volume modifications. **Description:** Field measurements and computer modeling of hydrologic system (upper Arroyo Simi) and erosion in stream channels. Analysis and verification of model output, link flow rates to measured erosion, predict erosion for future development scenarios, evaluate BMPs for mitigation.	RWQCB-4	Ventura County	Useable criteria/guidelines	7/1/03 to	7/1/08

Table VIB
ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES

Management Measure: 5.1B Channelization/Channel Modification - Instream and Riparian Habitat Restoration

Process Element	Activity Name	Activity Objective and Description	Agency	Location	Success Criteria	Schedule
Pre-Implementation 10.086	Invasive Species Inventory, Eradication and Monitoring	**Objective:** Remove impairment caused by invasive species. **Description:** Inventory, eradicate, monitor eradication efforts and educate the public on two invasive riparian species of concern, Arundo donax and Tamarix spp	RWQCB-5S	Lake County	Reduction in impairment	7/1/03 to 6/30/08
Pre-Implementation 27.005-2	Watershed Restoration Project Review	**Objective:** To coordinate watershed restoration project review with partner agencies. **Description:** Assist DFG and DPR with the review of stream channel conditions and watershed restoration projects under various legislative requirements.	DOC	Statewide	Completed review of pertinent projects	7/1/03 to 6/30/08
Pre-Implementation 27.014	Big River State Park - Restoration Planning	**Objective:** Assist DPR with resource assessments for setting park restoration priorities. **Description:** Compile geologic and geomorphic data; identify potential erosion and delivery sites along stream channels and roads; evaluate culvert crossings; prioritize work; develop GIS data.	DOC	Mendocino County	Identification of sediment sources in GIS database. Prioritization of highest risk sites for restoration.	6/1/03 to 12/31/03

Table VIB
ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES

Pre-Implementation 27.015	Fort Ross State Historic Park - Hazard Mitigation	**Objective:** Assist DPR in providing watershed assessment, characterizing channel conditions and prioritizing restoration sites. Examine roads and culverts for potential sediment delivery. **Description:** Compile exisiting geologic and geomorphic data, conduct stream surveys, and classify channel segments by transport potential. Identify sediment sources. Compile data in GIS format.	DOC	Sonoma County	Identification of sediment sources in GIS database. Prioritization of highest risk sites.	6/1/03 to	12/31/03
Pre-Implementation 4.068-2	Stream Floodplain Planning Activities	**Objective:** To participate in regional and state floodplain planning objectives, such as Floodplain Management Coordinating Group. **Description:** Advising floodplain group on Regional Board issues and concerns	RWQCB-2	Statewide	Meeting participation	7/1/03 to	12/31/04
Implement 10.089	Putah Creek Yolo Housing Authority Project	**Objective:** Improve riparian and instream habitat on Putah Creek. **Description:** Remove invasive weeds and establish native vegetation on 8.3 acres of creek channel and associated uplands; removal of eucalyptus, tree-of-heaven and Himalyan blackberries, establishment of native vegetation, improved wildlife habitat, erosion control, trash cleanup, community involvement and educational opportunities.	RWQCB-5S	Regionwide RB5	Restored habitat	7/1/03 to	6/30/08
Implement 11.20-1	Davies&Merril Creeks Watershed Restoration	**Objective:** To improve and restore water quality and beneficial uses. **Description:** Restore riparian habitat and floodplain altered by historic railroad grade construction; includes public outreach component and citizen monitoring.	RWQCB-6	Nevada County	Completed restoration project.	12/1/02 to	12/1/06

Table VIB
ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES

Implement 11.53	Markleeville Creek Day	**Objective:** To educate community and engage volunteers in stream improvement projects such as planting native vegetation **Description:** education, outreach, BMP implementation	RWQCB-6	Alpine County	completion of event	7/1/03 to	6/30/08
Implement 11.64	Bagley Valley Restoration Project	**Objective:** stream restoration to reduce erosion and restore aquatic habitat and monitor restoration success. **Description:** implement BMPs to reduce impact of hydromodification and grazing; monitor restoration success. Benthic macroinvertebrates sampling, water column monitoring, rewatering of lower valley	RWQCB-6	Alpine County	reduced erosion, restored stream function, restored habitat	1/1/01 to	1/1/06
Implement 15.091	Invasive Species Management	**Objective:** Eradicate tamarisk (Tamarix reamosissima, T. chinensis, and hybrids) throughout the watershed. **Description:**	RWQCB-8	Regionwide RB8	Elimination of Tararisk	7/1/03 to	6/30/08
Implement 2.406-2	Identify Management Practices for channel maintenance activities	**Objective:** Pollution impacts reduced through implementation of management practices. **Description:** Identify Management Practices for channel maintenance activities and prepare Guidance. Management Practices Guidance information will be used to avoid NPS impacts from channel maintenance activities.	SWRCB	Statewide	Management Practices Guidance information	3/1/03 to	11/30/03
Implement 27.013-1	Annadel State Park - Lake Ilsanjo Spillway Rehabilitation	**Objective:** Provide support to Department of Parks and Recreation (DPR) in the rehabilitation of the existing Lake Ilsanjo Spillway. **Description:** Set grade controls for cross-sections along spillway alignment; Provide guidance and director for earth works; Monitor site work.	DOC	Annadel State Park, Sonoma County	Completion of project within time frames with no major upsets.	6/1/03 to	1/31/04

Table VIB
ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES

Implement 4.067-2	Stream Protection and Management Amendments	**Objective:** Develop stream protection and management amendments. **Description:** Prepare Basin Plan amendment incorporating stream protection policy	RWQCB-2	Regionwide RB2	Improved protection for streams	7/1/03 to	7/1/04
Implement 4.069-2	WDRs for Channel Maintenance Activities	**Objective:** Issue general WDRs for low impact channel maintenance activities. **Description:** Waste Discharge Requirements for stream channel maintenance activities by flood control districts	RWQCB-2	Regionwide RB2	Issuance of permit	7/1/03 to	12/31/04

Table VIB
ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES

Management Measure: 5.2A Dams - Erosion and Sediment Control

Process Element	Activity Name	Activity Objective and Description	Agency	Location	Success Criteria	Schedule
Pre-Implementation 11.32	Bear Creek TMDL	**Objective:** Watershed restoration through the TMDL program **Description:** Complete and implement the Bear Creek TMDL	RWQCB-6	Nevada County	completed TMDL	1/1/02 to 1/1/05
Pre-Implementation 2.608	Upper Yuba River Studies	**Objective:** Participate on a multiagency team to evaluate the potential to successfully restore salmon migration to the south fork of the Yuba River. **Description:** The comprehensive effort hinges on removing Englebright dam (a dam completed in 1940) or providing an alternative course for migratory fish around the dam. SWRCB role is as a technical participant.	SWRCB	Nevada County	Decision to restore the salmon run.	7/1/03 to 6/30/08
Implement 27.013-2	Annadel State Park - Lake Ilsanjo Spillway Rehabilitation	**Objective:** Provide support to Department of Parks and Recreation (DPR) in the rehabilitation of the existing Lake Ilsanjo Spillway. **Description:** Set grade controls for cross-sections along spillway alignment; Provide guidance and director for earth works; Monitor site work.	DOC	Annadel State Park, Sonoma County	Completion of project within time frames with no major upsets.	6/1/03 to 1/31/04
Implement 4.037-1	Manage contract for dam removal	**Objective:** Oversee contract for dam removal and habitat restoration **Description:** Removal of two dams (Niles and Sunol) on Alameda Creek, restore access to 7.5 miles of prime steelhead spawning and rearing habitat, restore riparian habitat along portions of the creek.	RWQCB-2	Alameda County	Successful dam removal and restoration of habitat	7/1/03 to 6/30/07

Table VIB
ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES

Management Measure: 5.2B Dams - Chemical and Pollutant Control

Process Element	Activity Name	Activity Objective and Description	Agency	Location	Success Criteria	Schedule
Pre-Implementation 11.37	Pleasant Valley Reservoir TMDL	**Objective:** watershed restoration through the TMDL program **Description:** Complete and implement the Pleasant Valley Reservoir TMDL	RWQCB-6	Inyo County	completed TMDL	1/1/03 to 1/1/06

Management Measure: 5.2C Dams - Protection of Surface Water Quality & Instream and Riparian Habitat

Process Element	Activity Name	Activity Objective and Description	Agency	Location	Success Criteria	Schedule
Implement 11.19-2	Indian Creek Reservoir Freshwater Delivery	**Objective:** To reduce external phosphorus loading from freshwater delivery system **Description:** Contain water currently in open ditch. Portions of Snowshoe Thompson Ditch #1 currently in open ditch will be piped to prevent soil (containing phosphorus) from sloughing into freshwater delivery system.	RWQCB-6	Alpine County	Reduced phosphorus concentration in delivered water.	12/1/02 to 12/1/06
Implement 4.037-2	Manage contract for dam removal	**Objective:** Oversee contract for dam removal and habitat restoration **Description:** Removal of two dams (Niles and Sunol) on Alameda Creek, restore access to 7.5 miles of prime steelhead spawning and rearing habitat, restore riparian habitat along portions of the creek.	RWQCB-2	Alameda County	Successful dam removal and restoration of habitat	7/1/03 to 6/30/07

Table VIB
ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES

Management Measure: 5.3A Streambank and Shoreline Erosion - Eroding Streambanks & Shorelines

Process Element	Activity Name	Activity Objective and Description	Agency	Location	Success Criteria	Schedule
Pre-Implementation 11.35	Bronco Creek TMDL	**Objective:** watershed restoration through the TMDL program **Description:** Complete and implement the Bronco Creek TMDL	RWQCB-6	Nevada County	completed TMDL	1/1/02 to 1/1/05
Pre-Implementation 11.36	Gray Creek TMDL	**Objective:** watershed restoration through the TMDL program **Description:** Complete and implement the Gray Creek TMDL	RWQCB-6	Nevada County	completed TMDL	1/1/02 to 1/1/05
Implement 11.19-1	Indian Creek Reservoir Freshwater Delivery	**Objective:** To reduce external phosphorus loading from freshwater delivery system **Description:** Contain water currently in open ditch. Portions of Snowshoe Thompson Ditch #1 currently in open ditch will be piped to prevent soil (containing phosphorus) from sloughing into freshwater delivery system.	RWQCB-6	Alpine County	Reduced phosphorus concentration in delivered water.	12/1/02 to 12/1/06
Implement 4.037-3	Manage contract for dam removal	**Objective:** Oversee contract for dam removal and habitat restoration **Description:** Removal of two dams (Niles and Sunol) on Alameda Creek, restore access to 7.5 miles of prime steelhead spawning and rearing habitat, restore riparian habitat along portions of the creek.	RWQCB-2	Alameda County	Successful dam removal and restoration of habitat	7/1/03 to 6/30/07

Table VIB
ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES

Implement 4.085-2	TMDL for Mercury, Guadalupe River	**Objective:** Develop TMDL for mercury in Guadalupe River and tributary streams **Description:** Prepare preliminary and final project reports for TMDL. One area to be addressed will be bank stabilization and thus stabilization of mercury laden sediments.	RWQCB-2	Santa Clara County	Preliminary and final reports, Basin Plan amendment	7/1/03 to	6/30/06
Implement 8.002	Panoche Creek Revitalization Project	**Objective:** Implement projects to stabilize the lower Panoche Creek to decrease erosion **Description:** Contractor will implement BMPs as recommended in their watershed management plan and monitor their effectiveness.	RWQCB-5F	Fresno County	BMPs implemented.	9/1/00 to	12/31/03

Table VIB
ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES

Management Measure: 5.4A Education/Outreach - Educational Programs

Process Element	Activity Name	Activity Objective and Description	Agency	Location	Success Criteria	Schedule
Pre-Implementation 4.070	Stream protection policy training	**Objective:** Provide training on stream protection Basin Plan amendments and review of hydromodification projects. **Description:** Provide training on stream protection throughout the state using Region 2 proposed stream protection policy and Basin Plan amendments. Review of hydromodification projects for statewide audience and for achieving consistency statewide.	RWQCB-2	Statewide	Trainings and development of policies by other regions	7/1/03 to 12/31/06
Implement 11.20-2	Davies&Merril Creeks Watershed Restoration	**Objective:** To improve and restore water quality and beneficial uses. **Description:** Restore riparian habitat and floodplain altered by historic railroad grade construction; includes public outreach component and citizen monitoring.	RWQCB-6	Nevada County	Completed restoration project.	12/1/02 to 12/1/06
Implement 4.067-3	Stream Protection and Management Amendments	**Objective:** Develop stream protection and management amendments. **Description:** Prepare Basin Plan amendment incorporating stream protection policy	RWQCB-2	Regionwide RB2	Improved protection for streams	7/1/03 to 7/1/04
Implement 4.085-3	TMDL for Mercury, Guadalupe River	**Objective:** Develop TMDL for mercury in Guadalupe River and tributary streams **Description:** Prepare preliminary and final project reports for TMDL	RWQCB-2	Santa Clara County	Preliminary and final reports, Basin Plan amendment	7/1/03 to 6/30/06

Table VIB
ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES

Management Measure: All-H All Hydromodification Measures

Process Element	Activity Name	Activity Objective and Description	Agency	Location	Success Criteria	Schedule
Pre-Implementation 5.021	Assist interagency streamlined permitting process	**Objective:** To provide technical assistance in permit streamlining projects **Description:** Provide technical assistance and participate in development of watershed agriculture working groups, facilitate implementation of regional Ag Water Quality Management Plan.	RWQCB-3	Regionwide RB3	Streamlined permit process in all watersheds within the region	7/1/03 to 6/30/08
Pre-Implementation 5.501	Assist hydromodification project evaluation for impacts	**Objective:** Prevent water quality impacts associated with hydromodification activities **Description:** Review and comment on proposed hydromodification activities, activities performed through Regional Board's 401 Water Quality Certification program.	RWQCB-3	Regionwide RB3	Adequately conditioned hydromodification projects	7/1/03 to 6/30/08
Implement 16.501	Regulation of Hydromodification Sources of NPS Pollution	**Objective:** To regulate hydromodification **Description:** To enforce Region 9 waiver policies where they apply to hydromodification activities.	RWQCB-9	Regionwide - Region 9	Protection and restoration of water quality and beneficial uses.	7/1/03 to 6/30/08

Table VIB
ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES

Implement 2.400	Develop Technical Assistance Manual and CEQA Appendix	**Objective:** Provide technical assistance to avoid adverse impacts to wetlands and riparian areas. **Description:** Develop a technical assistance manual and CEQA Guidelines Appendix for project design that will include guidelines for designing projects to avoid impacts to wetlands and riparian areas. Adopt Waste Discharge Requirements that prescribe channel maintenance activities with minimal threat to water quality.	SWRCB	Statewide	Manual and CEQA Guidelines Appendix developed and approved	7/1/03	to 6/30/08
Implement 2.401	Provide technical training	**Objective:** Train Regional Board and Local Agency staff **Description:** Provide training to Regional Board and Local Agency staffs so that they are knowledgeable how practices necessary to avoid adverse impacts to wetlands and riparian areas. Ensure projects are designed to avoid impacts to wetlands and riparian areas.	SWRCB	Statewide	Adequately trained staffs	9/1/03	to 9/30/03
Implement 2.402	Ensure compliance with CEQA and Porter-Cologne Act	**Objective:** Ensure CEQA and Porter-Cologne Act compliance. **Description:** Ensure compliance with CEQA and Porter-Cologne Act when certifying activities included in national permits	SWRCB	Statewide	Activities are in compliance with CEQA and Porter-Cologne Act requirements	7/1/03	to 6/30/08
Implement 2.403	Establish Formal Agreements	**Objective:** Streamline the permitting process and better protect resources **Description:** Establish formal agreements between agencies on program-level issues in order to streamline the permitting process and better protect resources	SWRCB	Statewide	Permitting process is streamlined and resources are better protected.	7/1/03	to 6/30/08

Table VIB
ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES

Implement 2.404	Improve Emergency Permits	**Objective:** Modify and improve emergency permits **Description:** Work cooperatively with ACOE on modifying and improving emergency permits.	SWRCB	Statewide	Emergency permit process is improved	7/1/03 to	6/30/08
Implement 2.405	Disseminate up-to-date technical information	**Objective:** Assist entities engaged in hydromodification activities **Description:** Assist entities engaged in hydromodification activities by disseminating up-to-date technical information on: (1) flood plain methods which preserve natural riparian values; (2) construction and long-term maintenance costs of traditional and alternative flood management approaches; (3) setbacks in floodplains and designating floodways; and examples of existing ordinances and policies which minimize the need for channelization and channel hardening.	SWRCB	Statewide	Entities are provided with the necessary MM and MP information	7/1/03 to	6/30/08
Implement 6.035	Saticoy Recycle and Groundwater Recharge Facility	**Objective:** Improve groundwater recharge in the Calleguas Creek area. **Description:** Project will result in groundwater recharge with treated effluent that would otherwise be discharged into the ocean. It is more of a conjunctive use than water quality improvement project. It is consistent with the program criteria since it would support groundwater recharge capabilities and the expected chloride TMDL for Calleguas Creek.	RWQCB-4	Ventura County	Will be finalized at contract approval time	7/1/03 to	6/30/08